

Life After... Solar Decathlon

The Hunt for a Career in Sustainable Building

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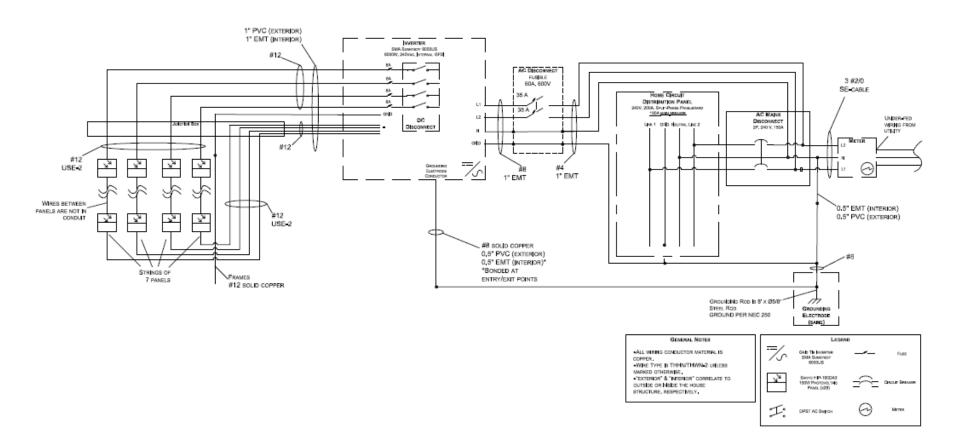
The Ohio State University

- Electrical Team
 - Photovoltaic Design (solar panels)
 - Load Calculations
 - LV Distribution (wiring)
 - National Electric Code
 - Competition Requirements

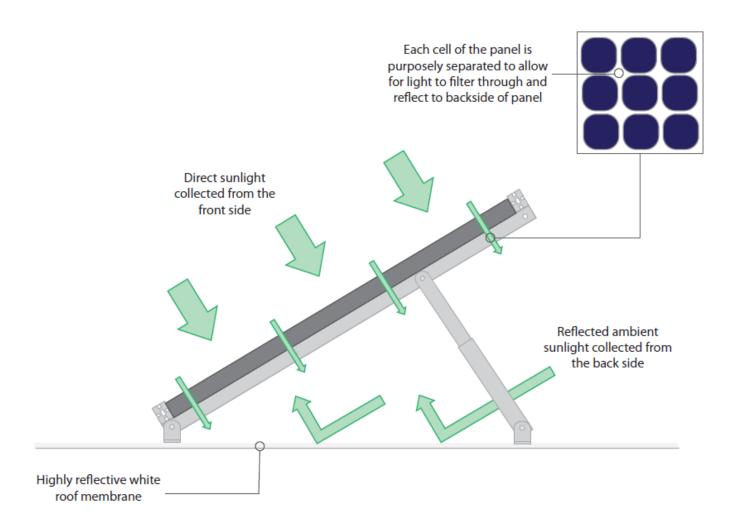




3-Line Diagram

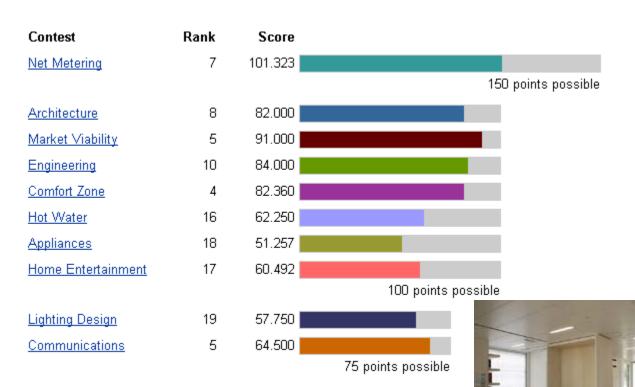


Bi-facial Modules

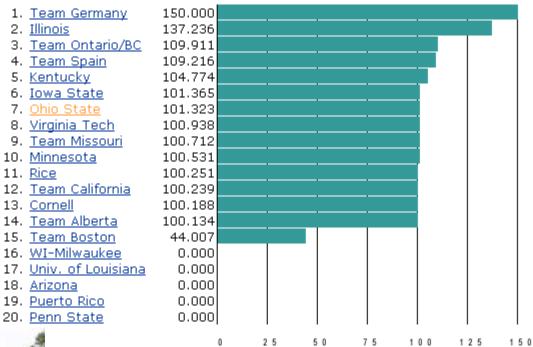


2009 Solar Decathlon

The Ohio State University – 10th Overall



Net Metering / Energy Contest







Ohio State is back in 2011, enCORE





To the Job Market

- Picking an industry
 - Product Design
 - Manufacturing
 - Computers
 - Power Electronics
 - Regulators/Gov't (i.e. Federal Energy Regulatory Commission, DOE, NREL)
 - Utilities
 - Construction & Power
 - Renewables & Energy Efficiency
- Something Innovative
- Something GREEN



How did Solar Decathlon Influence/Help?

- Experience with...
 - Design documentation
 - Photovoltaics
 - Physical construction
 - Working on a team on a real project
 - Tight deadlines
 - Even tighter installation schedule

You can't fake that!



How do I like my choice?

- M.C. Dean
 - Design-Build Construction
 - Large Projects
 - Power, Lighting, Security, Telecom, Controls
 - Renewable Technologies
 - Research is Encouraged
 - Worldwide

Construction vs. Other industries



Our Role at the Solar Decathlon 2011

Safety first, always

Distribution (microgrid) Installation

Design review

Able to meet extreme installation schedule

Prefabrication of equipment

Installation plan

- Flexible on-site team
- Lightning protection study



